L Number	Hits	Search Text	DB	Time stamp
1	97	((analog near2 digital near2 converter) or "A/D" or (analog adj digital adj converter)) and (Hough adj transform)	USPAT; US-PGPUB; EPO; DERWENT;	2004/08/15 17:13
2	79	(((analog near2 digital near2 converter) or "A/D" or (analog adj digital adj converter)) and (Hough adj transform)) and (@ad<=20000105 or @rlad<=20000105)	IBM_TDB USPAT; US-PGPUB; EPO; DERWENT;	2004/08/15 17:14
-	1	(hough adj transform) same composite	IBM_TDB USPAT; EPO; DERWENT;	2002/10/01 16:11
	3	(hough adj transform) same (target with detection)	IBM_TDB USPAT; EPO; DERWENT;	2002/10/02 11:05
-	38	(hough adj transform) and (target with detection)	IBM_TDB USPAT; EPO; DERWENT;	2002/10/01 16:14
-	475	hough adj transform	IBM_TDB USPAT; EPO; DERWENT;	2002/10/01 17:32
_	0	(hough adj transform) and (((dual or two) near2 channel\$1) with track\$3)	IBM_TDB USPAT; EPO; DERWENT;	2003/10/17 19:24
_	1790	((dual or two) near2 channel\$1) with track\$3	IBM_TDB USPAT; EPO; DERWENT; IBM TDB	2002/10/01 17:34
_	0	(hough adj transform) and (((dual or two) near2 (sensor\$1 or channel\$1)) with track\$3)	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 10:56
_	2	(hough adj transform) same composit\$3	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 10:57
	2	(hough) and (((dual or two) near2 (sensor\$1 or channel\$1)) with track\$3)	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 10:58
_	56	(hough) and (target with detection)	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 11:34
_	2584	((dual or two) near2 (sensor\$1 or channel\$1)) with track\$3	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 11:07
_	0	(((dual or two) near2 (sensor\$1 or channel\$1)) with track\$3) and (match\$2 with spatial with filter\$3)	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 11:21
_	2	5,179,419.pn.	USPAT; EPO; DERWENT; IBM TDB	2002/10/02 11:21
-	44	(hough) and (target with track\$3)	USPAT; EPO; DERWENT;	2002/10/02 12:16
-	2	5762292.pn.	IBM_TDB USPAT; EPO; DERWENT; IBM TDB	2002/10/02 11:54

Search History 8/15/04 6:37:14 PM Page 1

3447   ((plural33 or dual or two or multiple)   DERMENT;   IMM TOB   15:15					
	-	3447	((plural\$3 or dual or two or mulitple)	USPAT;	2002/10/10
-					12:55
-		1	track\$3	DERWENT;	
near2 (sensor\$1 or channel\$1)) with track\$3 and (hough near2 transform)					j
track\$3 and (hough near2 transform)	-	0	(((plural\$3 or dual or two or mulitple)		
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-			track\$3) and (hough near2 transform)	DERWENT;	
near2 (sensor\$1 or channel\$1) with			,	IBM TDB	
Tracks3) and (hough)	-	2	(((plural\$3 or dual or two or mulitple)	USPAT;	2002/10/02
A640			near2 (sensor\$1 or channel\$1)) with	EPO;	15:15
-			track\$3) and (hough)	DERWENT;	
-				IBM TDB	
pair or (more adj that adj one)) near2 (sensor\$1 or channel\$1)) with track\$3   DERWENT; IBM TDB   USPAT; 2002/10/03   censor\$1 or channel\$1)) with track\$3   does not	-	4640	((plural\$3 or dual or two or multiple or		2002/10/03
Sensor\$1 or channel\$1) with track\$3   DERWENT; IEM TDB pair or (more ad) that ad) one) near2 (sensor\$1 or channel\$1) with track\$3) and hough   source ad) that ad) one) near2   sensor\$1 or channel\$1) with track\$3; and hough   source ad) that ad) one)   DERWENT; IEM TDB   source ad) that ad   source add   source add   source ad) that ad   sour			pair or (more adj that adj one)) near2	EPO;	10:04
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pair or (more adj that adj one)   near2 (sensor5) or channel\$1)   with track\$3)   DERWENT;   IBM TDB   USPAT;   EDG;	_	2	(((plural\$3 or dual or two or multiple or		2002/10/03
Sensors1 or channels1) with track\$3   DERWENT; IM TDB   USPAT; EPO; DERWENT; IM TDB   USPAT; E					10:05
and hough					
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200567   ((plural\$3 or dual or two or mulitple)   DERWENT; IBM TDB   Converted to the con	_	2			2002/10/10
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- 54 ((((plural\$3 or dual or two or mulitple) near2 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) and (hough)) and track\$3  - 10477 ((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or multichannel) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  - 0 (((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or multisensor)) same track\$3  - (((plural\$3 or dual or two or multiple or multi-channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multichannel\$1)) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  - 18 (((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj or multi or pair or multiple or multiple or multi or multi or multiple or multi or multi or multiple or multiple or multiple or multi or multi or multiple				1	
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(multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) and (hough)) and track\$3  (((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multiple or multi or pair or (more adj that adj or multiple or mu	1	]			
(multi-sensor\$1 or multisensor)) and (hough)) and track\$3  (((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multiple or multiple or multi or pair or (more adj that adj or multiple or mu	1				- /
((optimal \$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  0 (((optimal \$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-channel\$1 or multichannel) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 (((optimal \$3 or dual or two or multiple or multi or pair or (more adj that adj or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multi or pair or (more adj that adj or multiple or multiple or multi or pair or (more adj that adj or multiple or m					
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multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  O ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  O (((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj or multi-sensor\$1 or multisensor)) same track\$3) same hough  O (((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj  O DERWENT; O DERW	_	10477		USPAT:	2002/10/11
near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj		104//			1
(multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3  0 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that ad					11.33
(multi-sensor\$1 or multisensor)) same track\$3  0 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj EPO; 11:53				1	
track\$3  ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj EPO; 11:53				1011-100	
O ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj EPO; 11:53					
or multi or pair or (more adj that adj one)) near3 (sensor\$1 or channel\$1)) or (multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj EPO; 11:53	-	_		IISPAT.	2002/10/11
one)) near3 (sensor\$1 or channel\$1)) or					
(multi-channel\$1 or multichannel) or (multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj EPO; 11:53				1	111.55
(multi-sensor\$1 or multisensor)) same track\$3) same hough  18 ((((plural\$3 or dual or two or multiple or multi or pair or (more adj that adj EPO; 11:53					
track\$3) same hough  ((((plural\$3 or dual or two or multiple uspat; 2002/10/11 or multi or pair or (more adj that adj EPO; 11:53		1		1 1011-100	
- 18 ((((plural\$3 or dual or two or multiple USPAT; 2002/10/11 or multi or pair or (more adj that adj EPO; 11:53				1	
or multi or pair or (more adj that adj EPO; 11:53	_	1.0		IISDAT.	2002/10/11
	1	1 18		1	1
One)) Hears (Sensoral of Chaimeral)) Of (DERWENT)		1		1	11:00
/multi-channels1 or multichannel) on I TDM MDD				5	
(multi-channel\$1 or multichannel) or IBM_TDB				TDM_IDB	
(multi-sensor\$1 or multisensor)) same track\$3) and hough					
trackas) and nough	L	_1	Clackys) and nough	<u> </u>	

	13	(US-5825915-\$ or US-5508706-\$ or US-6226595-\$ or US-5819016-\$ or	USPAT	2002/10/11 17:36
		US-6157737-\$ or US-6173066-\$ or		
		US-6263089-\$ or US-6043867-\$ or		
		US-5762292-\$ or US-5892855-\$ or   US-5922036-\$ or US-5005147-\$ or		
		US-4707647-\$).did.		
_	1	((US-5825915-\$ or US-5508706-\$ or	USPAT;	2002/10/11
	_	US-6226595-\$ or US-5819016-\$ or	EPO;	17:46
		US-6157737-\$ or US-6173066-\$ or	DERWENT;	
		US-6263089-\$ or US-6043867-\$ or	IBM_TDB	
		US-5762292-\$ or US-5892855-\$ or		
		US-5922036-\$ or US-5005147-\$ or		
		US-4707647-\$).did.) and (acoustic or audio)		
_	193	multiple with acoustic with sensor\$1	USPAT;	2002/10/11
			EPO;	18:29
			DERWENT;	
	_ :		IBM_TDB	
_	7	(multiple with acoustic with sensor\$1)	USPAT;	2002/10/11
		same receiver\$1	EPO;	17:47
			DERWENT; IBM TDB	
_	О	6256263.URPN.	USPAT	2002/10/11
				17:51
_	25	(multiple with acoustic with sensor\$1)	USPAT;	2002/10/11
		and tracking	EPO;	18:29
			DERWENT;	
	5	(multiple with acoustic with sensor\$1)	IBM_TDB USPAT;	2002/10/11
-	3	same tracking	EPO;	18:29
	<u> </u>	Same cracking	DERWENT;	10.23
			IBM TDB	
	0	5798458.pn. and sonar	USPĀT;	2003/05/09
			EPO;	15:04
			DERWENT;	
	0	E0020FF pp and gapan	IBM_TDB	2003/05/09
	٠	5892855.pn. and sonar	USPAT; EPO;	15:04
			DERWENT;	
			IBM TDB	
-	0	5892855.pn. and underwater	USPAT;	2003/05/09
			EPO;	16:45
	l		DERWENT; IBM TDB	1.
_	16	sonar and (hough adj transform)	USPAT;	2003/05/09
		and (mough ad) brainstorm)	EPO;	16:49
			DERWENT;	
			IBM_TDB	
-	0	(sonar adj receiver) and (hough adj	USPAT;	2003/05/09
		transform)	EPO;	16:49
			DERWENT; IBM TDB	
_	0	(sonar adj receiver) same (object adj	USPAT;	2003/05/09
		track\$3)	EPO;	16:50
			DERWENT;	
			IBM_TDB	
-	246	sonar adj receiver	USPAT;	2003/05/09
			EPO;	16:50
			DERWENT; IBM TDB	
_	15	(sonar adj receiver) same track\$3	USPAT;	2003/05/09
		(2	EPO;	16:50
			DERWENT;	
			IBM_TDB	
-	0	composite near4 (hough adj transform)	USPAT;	2003/10/17
			EPO; DERWENT;	19:26
			IBM TDB	
L	J	L	1 TOPT TOD	

Γ-	427	382/103.ccls.	USPAT;	2003/10/17
			EPO;	19:26
			DERWENT;	
			IBM TDB	
_	11	382/103.ccls. and (hough adj transform)	USPAT;	2003/10/18
			EPO;	13:30
			DERWENT;	
			IBM TDB	
_	2	6724916.pn.	USPAT;	2004/08/12
		•	US-PGPUB;	17:48
			EPO;	
	,		DERWENT;	
			IBM TDB	
_	1	composite near4 (hough adj transform)	USPAT;	2004/08/12
			EPO;	18:14
	İ		DERWENT;	
			IBM TDB	
-	15	(hough adj transform) with track\$3	USPAT;	2004/08/12
			EPO;	18:15
			DERWENT;	j
			IBM TDB	
-	6	(((plural\$3 or dual or two or multiple or	USPAT;	2004/08/12
		multi or pair or (more adj that adj one))	EPO;	19:14
		near3 (sensor\$1 or channel\$1)) or	DERWENT;	
		(multi-channel\$1 or multichannel) or	IBM_TDB	
		(multi-sensor\$1 or multisensor)) same		
		(hough)		
-	601	hough adj transform	USPAT;	2004/08/12
			EPO;	19:14
			DERWENT;	
	1		IBM_TDB	
-	68	(hough adj transform) same (track\$3 or	USPAT;	2004/08/15
		path\$3 or trac\$3 or tract\$3 or tread\$3)	US-PGPUB;	17:12
			EPO;	
			DERWENT;	
			IBM TDB	